NAME

fwohci - OHCI FireWire chipset device driver

SYNOPSIS

To compile this driver into the kernel, place the following line in your kernel configuration file:

device firewire

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

firewire_load="YES"

To disable physical access (see *BUGS* section for detail), put the following line in loader.conf(5):

hw.firewire.phydma_enable=0

HARDWARE

The **fwohci** driver provides support for PCI/CardBus FireWire interface cards. The driver supports the following IEEE 1394 OHCI chipsets:

- Adaptec AHA-894x/AIC-5800
- Apple Pangea
- Apple UniNorth
- Intel 82372FB
- IOGEAR GUF320
- Lucent / Agere FW322/323
- NEC uPD72861
- NEC uPD72870
- NEC uPD72871/2
- NEC uPD72873
- NEC uPD72874
- National Semiconductor CS4210
- Ricoh R5C551
- Ricoh R5C552
- Sony CX3022
- Sony i.LINK (CXD3222)
- Texas Instruments PCI4410A
- Texas Instruments PCI4450
- Texas Instruments PCI4451
- Texas Instruments TSB12LV22

- Texas Instruments TSB12LV23
- Texas Instruments TSB12LV26
- Texas Instruments TSB43AA22
- Texas Instruments TSB43AB21/A/AI/A-EP
- Texas Instruments TSB43AB22/A
- Texas Instruments TSB43AB23
- Texas Instruments TSB82AA2
- VIA Fire II (VT6306)

SEE ALSO

firewire(4), fwe(4), fwip(4), sbp(4), fwcontrol(8), kldload(8)

HISTORY

The **fwohci** device driver first appeared in FreeBSD 5.0.

AUTHORS

The **fwohci** device driver was written by Katsushi Kobayashi and Hidetoshi Shimokawa.

BUGS

The driver allows physical access from any nodes on the bus by default. This means that any devices on the bus can read and modify any memory space which can be accessed by an IEEE 1394 OHCI chip. It is allowed mostly for sbp(4) devices. This should be changed to allow it only for specific devices. Anyway, FireWire is a bus and not expected to be connected with un-trustable devices because a node can monitor all the traffic.